

# Garrett Beatty

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## EXPERIENCE

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### Comcast

Philadelphia, PA

Software Engineer

June 2019 – Present

- Developing backend microservices that support 30,000 technicians in the field, using Java, Spring Boot, MongoDB, MySQL, and Kafka.
- Responsible for developing and improving the team's continuous integration process. Reduced deployment time by 95% by migrating CI/CD from GoCD to Concourse.
- Developing an iOS testing and release pipeline using Concourse, Appium, and Selenium Grid.

### Lockheed Martin

Moorestown, NJ

Software Engineering Intern

June 2018 – August 2018

- Worked on an Agile team to support the development of the Aegis Combat System using Java and C++.
- Automated parts of the build process using Jenkins, Python, and Bash.

### The College of New Jersey

Ewing, NJ

Machine Learning Student Researcher

January 2017 – December 2017

- Designed a machine learning and natural language processing infrastructure with a team of 5 students and faculty in Python using machine learning and statistical analysis libraries such as scikit-learn, numpy, pandas, and matplotlib.
- Improved the speed of the infrastructure by 95% by adding support for parallel processing on the HPC.

### Comcast

Philadelphia, PA

Software Engineering Intern

June 2016 – August 2016

- Increased the efficiency of the Quality Assurance team by creating a Node.js application that automatically generates unit testing reports, which can be filtered by date, device type, operating system, etc.

## TECHNICAL SKILLS

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**Languages:** Java, Python

**Familiar:** Bash, Swift, SQL, C++, HTML, CSS, Node.js, Javascript

**Tools:** Kafka, Grafana, Docker, Vault, Elasticsearch, Logstash, Kibana, Cloud Foundry, Concourse, GoCD, Jenkins, Artifactory, MongoDB

**Frameworks:** Spring Boot, PySpark, Django, Flask, Scikit-Learn, Numpy, Tensorflow, Pandas, Matplotlib, Keras

**Domains:** Backend Microservices, Devops, Continuous Integration, Machine Learning, Mobile Development

## PROJECTS

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### Android Application – “arXiv Explorer”

Published an Android application with over 11,000 downloads that allows users to browse, search, and download scientific papers from arxiv.org.

## PUBLICATIONS

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### “The Use of Unlabeled Data versus Labeled Data for Stopping Active Learning for Text Classification”

*Proceedings of the 2019 IEEE 13th International Conference on Semantic Computing (ICSC), Newport Beach, CA, 2019.*

### “Impact of Batch Size on Stopping Active Learning for Text Classification”

*Proceedings of the 2018 IEEE 12th International Conference on Semantic Computing (ICSC), Laguna Hills, CA, 2018.*

## EDUCATION

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### The College of New Jersey

Ewing, NJ

Bachelor of Science, Computer Science

August 2015 – May 2019